

# Ashika

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## SKILLS

- **Languages:** C++, JavaScript, C, PHP, Python
- **Frameworks:** HTML5, CSS3, Tailwind CSS, ReactJS, NodeJS, ExpressJS, Fast API
- **Tools/Platforms:** MySQL, MongoDB, PostgreSQL, Git, Docker, Jenkins, Maven, GitHub Actions, Postman
- **Core CS Topics:** Data Structures, Operating Systems (OS), Networking, Database (DBMS), REST APIs, CI/CD
- **Soft Skills:** Team Player, Adaptability, Time management, Leadership

## PROJECTS

### Grocery ERP | GitHub

Mar'2026 – May'2026

- Developed an ERP-based grocery management system to automate inventory management, supplier tracking, purchase order processing, and billing workflows, reducing manual operational effort by approximately **50%**.
- Built RESTful APIs using FastAPI and PostgreSQL, implemented dynamic frontend functionalities with HTML, CSS, and JavaScript, and integrated Docker containerization, Maven build automation, and Git-based version control for streamlined development workflows.
- Automated CI/CD pipelines using GitHub Actions for application build and deployment, improving deployment efficiency by nearly **35%** while ensuring scalable, consistent, and maintainable application delivery.
- **Tech stack:** Fast API, Python, PostgreSQL, HTML, CSS, JavaScript, Docker, GitHub Actions, Maven, Git

### Li Force (Blood Donation Platform) | GitHub

Jun' 2025 – Feb' 2026

- Built a full-stack MERN web application to connect blood donors, hospitals, and blood banks, reducing manual coordination efforts by approximately **60%** during emergency blood requests.
- Developed secure JWT authentication, role-based dashboards, REST APIs, blood inventory management, donor tracking, and Google Maps API integration using React, Node.js, Express.js, and MongoDB.
- Improved emergency response efficiency by nearly **40%** and enhanced backend security using Helmet, CORS, and rate limiting while maintaining a responsive and scalable platform.
- **Tech stack:** MongoDB, Express.js, React, Node.js, Tailwind CSS, JWT, React Leaflet, Google Maps API, Recharts, Axios

### Crest-Fund | GitHub

Jan' 2025 – Mar' 2025

- Developed a full-stack crowdfunding platform enabling users to create, manage, and contribute to fundraising campaigns through a responsive web application.
- Designed secure authentication systems, dynamic campaign management workflows, MySQL database integration, and responsive frontend interfaces using PHP, JavaScript, HTML, and Tailwind CSS.
- Improved user engagement and cross-device accessibility by approximately **30%** while ensuring reliable transaction tracking and persistent data management.
- **Tech stack:** HTML, Tailwind CSS, JavaScript, MySQL, PHP

## SUMMER TRAINING

### Mastering C++ from OOPS to DP – LPU | Certificate

Jun' 2025 – Jul' 2025

- Completed intensive Mastering C++ Training Program, focusing on core programming concepts, efficient coding practices, and structured problem-solving.
- Implemented real-world applications using OOP, templates, file handling, STL, and algorithmic optimization techniques in C++.
- Achieved an **A+ grade** and developed strong proficiency in **algorithm design, efficient coding practices, and building practical applications and build responsive web application.**
- **Tech stack:** C++, OOP, Templates, STL, File Handling, Data Structures & Algorithms.

## ACHIEVEMENTS

- Earned top badges on Hacker Rank in Java, C++ | [Link](#) Aug' 2025
- Secured a top 10 ranking in CTF competition with over 200 student participants | [Link](#) Nov' 2024

## CERTIFICATES

- Oracle Data Platform Foundations Associate - Oracle | [Link](#) Apr' 2026
- Fundamentals Of Network Communication - University of Colorado | [Link](#) Nov' 2024
- Introduction to Hardware and Operating System - IBM | [Link](#) Aug' 2024
- DSA with C++ - IamNeo | [Link](#) Mar' 2024

## EDUCATION

- **Lovely Professional University** Punjab, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 7.00* Since Aug'2023